Question Paper

MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES
FIRST SEMESTER MASTER OF SCIENCE - M.Sc. (Information Science)
DEGREE EXAMINATION - NOVEMBER 2017
DATE : Tuesday, November 21, 2017
TIME : 10:00AM - 1:00PM
Dot net technologies [MIS 505]

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1) With a neat diagram, explain the workflow that takes place between the source code, a given .NET compiler, and the .NET execution engine. (10)

2) Explain metadata and manifest.   (5 + 5 MARKS) (10)

3) Explain the different member visibilities in C#. (10)

4) Explain Array List class and its properties with an example. (10)

5) Explain Static Class and Static class members in C#.   (5 + 5 MARKS) (10)

6) Write a short note on: a) **virtual**   b) **override** (5+5 MARKS) (10)

7) What are class properties in C#? Explain with an example. (10)

8) What is inheritance? Explain with an example. (10)

9) What are Exceptions? Explain the Atoms of .NET Exception Handling. Explain Exception handling clauses the **try**, **catch**, and **finally** keywords. (10)

10) Explain with an example different classes used in connected layer method for retrieving data from SQL data source. (10)

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